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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/564,556	06/27/2006	Hee-Woo Rhee	034225.002	1862
	7590 08/12/200 BRELL & RUSSELL	EXAMINER		
1130 CONNEC	CTICUT AVENUE, N.	ONEILL, KARIE AMBER		
WASHINGTO	N, DC 20050		ART UNIT	PAPER NUMBER
			1795	
			MAIL DATE	DELIVERY MODE
			08/12/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Occurrence		Applicati	on No.	Applicant(s)				
		10/564,5	56	RHEE ET AL.				
Office Action Summary			•	Art Unit				
		Karie O'N	eill	1795				
The Period for Re	MAILING DATE of this communicately	ation appears on the	e cover sheet with the d	correspondence ad	ddress			
WHICHEV - Extensions of after SIX (6) - If NO period - Failure to re Any reply re-	ENED STATUTORY PERIOD FOR ER IS LONGER, FROM THE MA of time may be available under the provisions of MONTHS from the mailing date of this community for reply is specified above, the maximum statuly within the set or extended period for reply with the set of extended period for reply with the set of the term adjustment. See 37 CFR 1.704(b).	ILING DATE OF TH 37 CFR 1.136(a). In no ev lication. tory period will apply and w II, by statute, cause the app	HIS COMMUNICATION ent, however, may a reply be tin ill expire SIX (6) MONTHS from lication to become ABANDONE	N. nely filed the mailing date of this of D (35 U.S.C. § 133).	•			
Status								
1)⊠ Resr	oonsive to communication(s) filed	on 27 June 2006						
		on <u>27 bane 2000</u> . o)⊡ This action is r	on-final					
<u> </u>	,—							
<i>,</i> —	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition o	·	·						
· _		nlication						
· —	Claim(s) <u>1-10</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
•	5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected.							
	n(s) is/are rejected. n(s) is/are objected to.							
•	n(s) <u> </u>	and/or election rec	vuirom ont					
	n(s) <u>1-10</u> are subject to restriction	rand/or election red	quirement.					
Application P	apers							
9)☐ The specification is objected to by the Examiner.								
10) <u></u> The o	lrawing(s) filed on is/are: a	a) accepted or b	objected to by the l	Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under	35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice of Di	eferences Cited (PTO-892) aftsperson's Patent Drawing Review (PTO Disclosure Statement(s) (PTO/SB/08) //Mail Date	D-948)	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	ate				

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DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-6, 9 and 10, drawn to a proton conducting polymer membrane.

Group II, claim(s) 7 and 8, drawn to a method of preparing a proton conducting polymer membrane.

- 2. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Group I does not require an organic solvent and an ionomer/solid proton conductor solution in an amount of 5 to 10wt%, as is required in Group II.
- 3. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one

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or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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5. The examiner has required restriction between product and process claims.

Where applicant elects claims directed to the product, and the product claims are subsequently found allowable, withdrawn process claims that depend from or otherwise require all the limitations of the allowable product claim will be considered for rejoinder.

All claims directed to a nonelected process invention must require all the limitations of an allowable product claim for that process invention to be rejoined.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double

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patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karie O'Neill whose telephone number is (571)272-8614. The examiner can normally be reached on Monday through Friday from 8am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PATRICK RYAN/ Supervisory Patent Examiner, Art Unit 1795 Karie O'Neill Examiner Art Unit 1795 Application/Control Number: 10/564,556 Page 5

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KAO